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NPIC/R-862/64

October 1964

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6 Pages

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PHOTOGRAPHIC

**SA-3 SAM SITE TOWERS
KAPUSTIN YAR/VLADIMIROVKA
MISSILE TEST CENTER
AND LENINGRAD AREA, USSR**



CIA

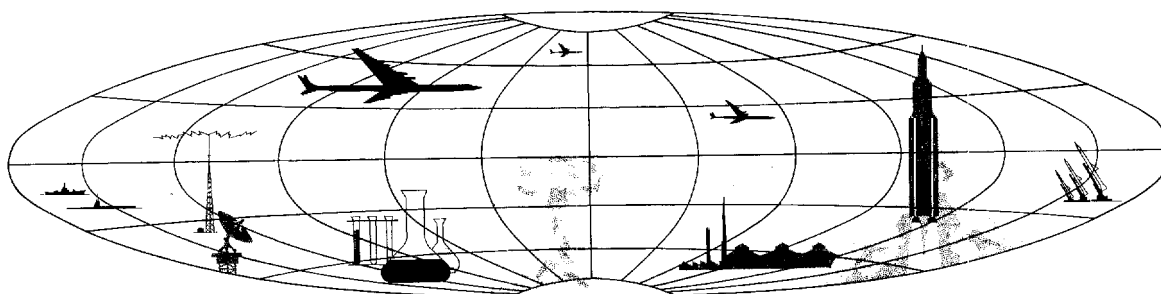


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ERRATUM FOR NPIC/R-862/64

The last full sentence in column 2, page 1 of NPIC/R-862/64

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should read: "Site D32-3 is the only Leningrad

SA-3 site which has been observed to be occupied."

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NPIC/R-862/64

SA-3 SAM SITE TOWERS, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER AND LENINGRAD AREA, USSR

This report provides an answer to CIA requirement C-SI4-81,605, which requests a study and mensuration of the tower at the SAM Launch Complex (SA-3 launch area) of the Kapustin Yar/Vladimirovka Missile Test Center (Figure 1) and a comparison of it with the towers at the Leningrad SA-3 SAM sites.

An analysis of the Kapustin Yar SA-3 launch area was made from [redacted] photography (Mission [redacted]). The single tower which was revealed is located in the central guidance area of the prototype-B-configuration SA-3 site (Figures 2 and 3). The tower is 35 by 30 feet and 30 feet high and is possibly latticed; the small scale of the photography precludes a more detailed description. The tower was first observed on [redacted] photography of [redacted] and can be negated on photography of [redacted]. No antennas or radar have been identified at the prototype-B-configuration SA-3 site.

An analysis was made of Leningrad SAM Sites C26B-3, D25-3, D32-3, and D34A-3. These four sites were selected from the 18 Leningrad SA-3 sites (Figure 4), all of which now have towers, because of their recent coverage by [redacted]

Two lattice towers were revealed at each of the four sites, one located in the central guidance area and one outside it (Figures 5-8). Mensural data on the eight towers is provided in Table 1. One tower, located in the guidance area of Site D32-3, is surmounted by a vanlike unit which has a radar positioned on it. The radar unit apparently consists of a single truncated paraboloid reflector which is approximately 30 feet across. The other tower at the site apparently is also surmounted by a vanlike unit, but the presence of a radar cannot be determined. Leningrad SA-3 site which has been observed to be occupied. All eight towers at the four

Table 1. Mensural Data on Towers

Location	Dimensions of Tower in Guidance Area (ft, approx*)		Dimensions of Tower Outside Guidance Area (ft, approx*)		Distance Between Towers (ft, approx)
	Height	Length & Width	Height	Length & Width	
Leningrad SAM Site					
C26B-3	60	35 x 30	65	40 x 35	700
D25-3	70	30 x 25	65	30 x 25	800
D32-3	75	40 x 35	75	40 x 35	525
D34A-3	70	35 x 35	50**	40 x 35	700
Kapustin Yar SAM Launch Complex, SA-3 launch area					
	30	35 x 30	--	--	--

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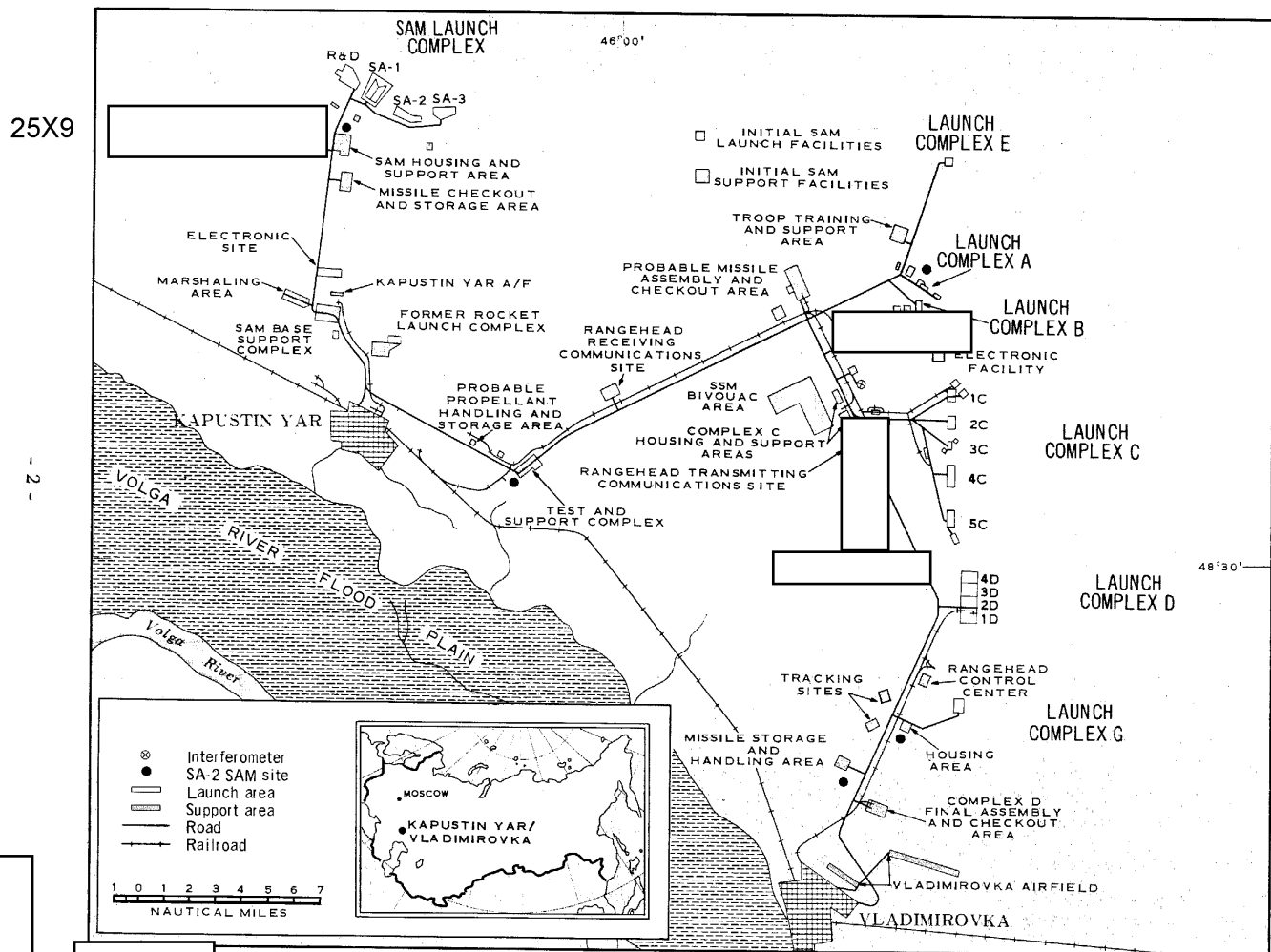


FIGURE 1. LOCATION OF SA-3 LAUNCH AREA, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR.

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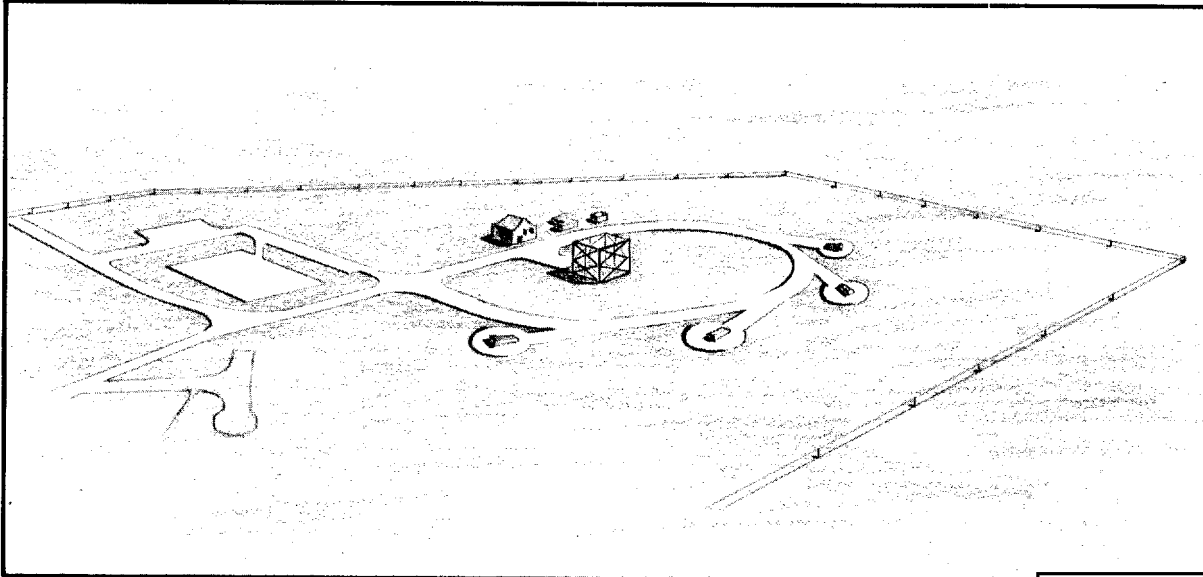


FIGURE 2. PERSPECTIVE DRAWING SHOWING TOWER AT SA-3 SITE, KAPUSTIN YAR SAM LAUNCH COMPLEX.

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FIGURE 3. SA-3 LAUNCH AREA, KAPUSTIN YAR SAM LAUNCH COMPLEX,

analyzed sites were first observed in [redacted] and can be negated on photography of [redacted]. Though it may be recalled that [redacted] missions covered Leningrad [redacted].

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The only similarity which can be observed at this time between the Leningrad SA-3 site towers and the Kapustin Yar SA-3 launch area tower is their location in central guidance areas. No determination can be made as to their similarity in function or appearance. Their only substantial difference is in number, i.e., the absence of a second tower at Kapustin Yar. The Leningrad towers are higher than the Kapustin Yar tower, but this difference possibly can be accounted for by the fact that the Leningrad sites have obvious tree masking problems while the Kapustin Yar site has no such problem.

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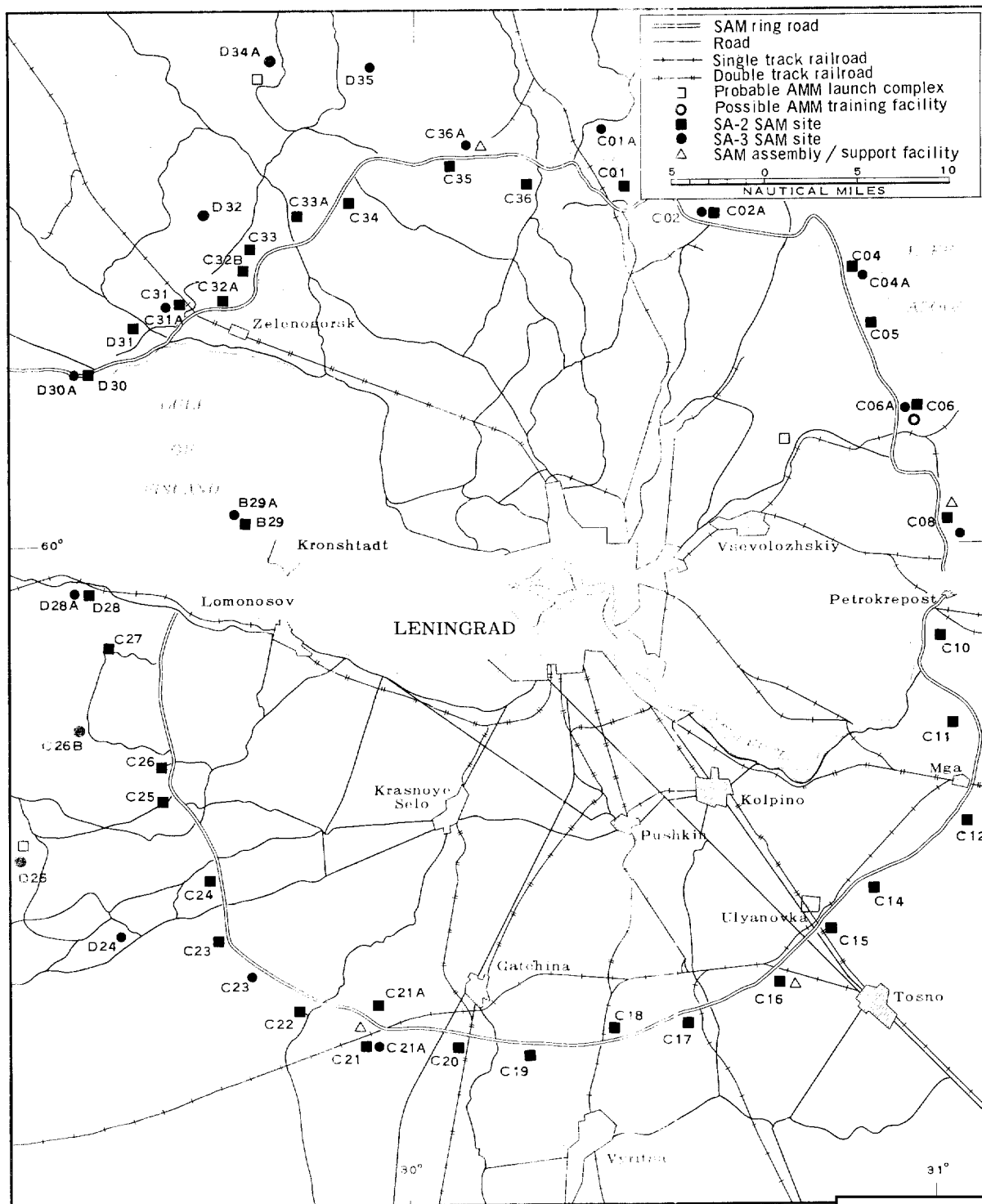


FIGURE 4. LOCATION OF SA-3 SAM SITES, LENINGRAD AREA, USSR.

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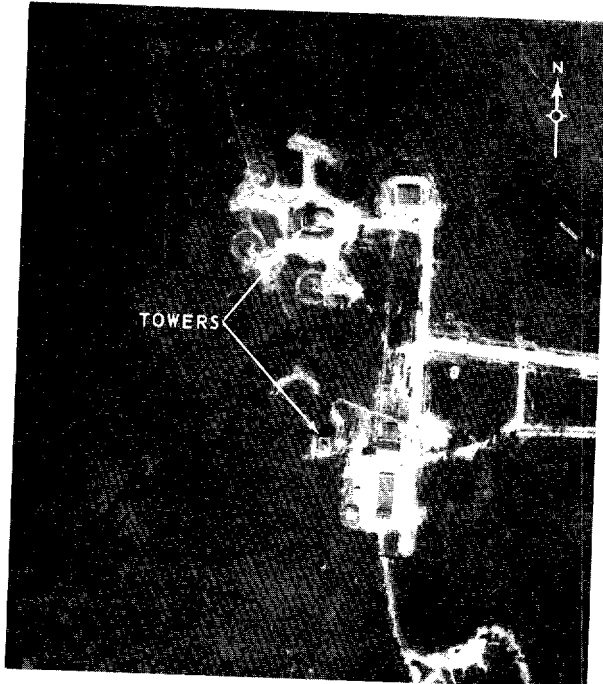


FIGURE 5. LENINGRAD SAM SITE C26B-3,

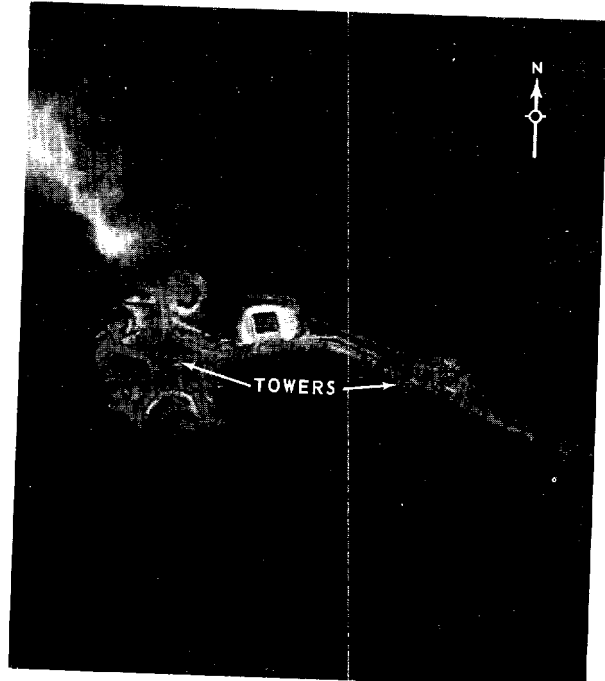


FIGURE 6. LENINGRAD SAM SITE D25-3,

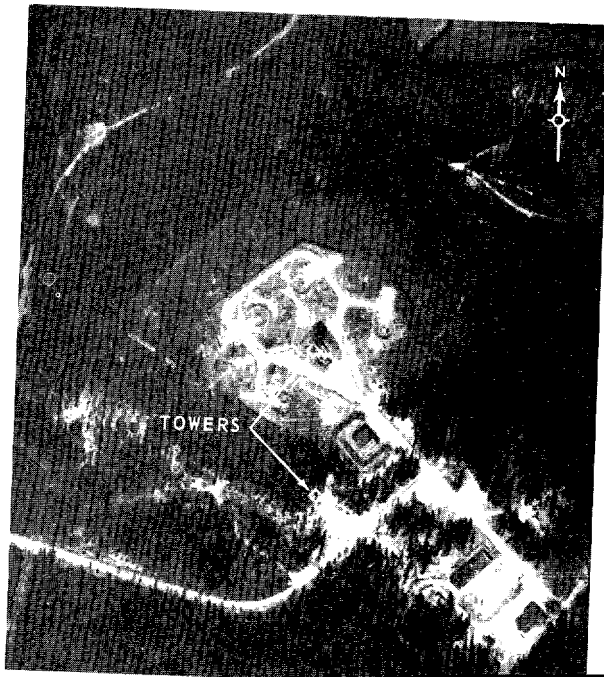


FIGURE 7. LENINGRAD SAM SITE D32-3,



FIGURE 8. LENINGRAD SAM SITE D34A-3,

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REFERENCES

PHOTOGRAPHY

<u>Mission</u>	<u>Date</u>	<u>Pass</u>	<u>Camera</u>	<u>Frames</u>	<u>Classification</u>

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MAPS OR CHARTS

- ACIC. US Air Target Chart, Series 200, Sheet 0235-22HL, 4th ed, May 63, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0103-25HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0153-4HL, 2d ed, May 63, scale 1:200,000 (SECRET)

REQUIREMENT

CIA. C-SI4-81,605

NPIC PROJECT

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